

Bailey Sue
 Form 4
 September 15, 2009

FORM 4 UNITED STATES SECURITIES AND EXCHANGE COMMISSION
 Washington, D.C. 20549

OMB APPROVAL

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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person *
 Bailey Sue

2. Issuer Name and Ticker or Trading Symbol
 Emergent BioSolutions Inc. [EBS]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)
 2273 RESEARCH BLVD, SUITE 400

3. Date of Earliest Transaction (Month/Day/Year)
 09/11/2009

Director 10% Owner
 Officer (give title below) Other (specify below)

(Street)
 ROCKVILLE, MD 20850

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)
 Form filed by One Reporting Person
 Form filed by More than One Reporting Person

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Ownership (Instr. 4)
			Code	V	Amount (A) or (D) Price		
Common Stock	09/11/2009		M		7,200 A \$ 8.43	7,200	D
Common Stock	09/11/2009		S		7,200 D \$ 19.21 (1)	0	D
Common Stock	09/11/2009		M		2,800 A \$ 8.76	2,800	D
Common Stock	09/11/2009		S		2,800 D \$ 19.21 (1)	0	D

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Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned
(e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)	8. Amount or Number of Shares
Director Stock Option (right to buy)	\$ 8.43	09/11/2009		M	7,200	<u>(2)</u> 06/13/2017	Common Stock	7,200
Director Stock Option (right to buy)	\$ 8.76	09/11/2009		M	2,800	<u>(3)</u> 05/20/2018	Common Stock	2,800

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Bailey Sue 2273 RESEARCH BLVD, SUITE 400 ROCKVILLE, MD 20850	X			

Signatures

/s/R. Don Elsey,
attorney-in-fact

09/15/2009

__Signature of Reporting Person

Date

Explanation of Responses:

* If the form is filed by more than one reporting person, *see* Instruction 4(b)(v).

** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. *See* 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

(1) The sales reported in this Form 4 were effected pursuant to a Rule 10b5-1 trading plan.

(2) The option will vest with respect to the remaining 7,200 shares on June 14, 2010 or, if the Company's Annual Meeting of Stockholders occurs prior to that, on the day prior to such year's Annual Meeting of Stockholders.

The remaining option is vested with respect to 2,000 shares. The option will vest with respect to the remaining 9,600 shares in two equal
(3) installments on May 21, 2010 and May 21, 2011, respectively, or, if the Company's Annual Meeting of Stockholders occurs prior to such date for any year, on the day prior to such year's Annual Meeting of Stockholders

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.

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